

**LaJuana S. Wilcher**  
Secretary

# **AIR QUALITY PERMIT**

**Issued under 401 KAR 52:020  
TV/SYNTHETIC MINOR**

**Ernie Fletcher**  
Governor



**Commonwealth of Kentucky  
Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**Permittee Name: Griffin Industries, Inc.  
Mailing Address: 4221 Alexandria Pike, Cold Springs, Kentucky 41076**

**is authorized to operate indirect heat exchangers and animal rendering plant**

**Source Name: Griffin Industries, Inc.  
Mailing Address: Same as above  
Source Location: 3080 Concord Road, Russellville, Kentucky**

**Source ID #: 21-141-00026  
Activity #: APE20040002  
Source AI #: 2753**

**SIC Code: 2079  
County: Logan**

**Permit Number: V-05-025**

**Review Type: Operating**

**Regional Office: Bowling Green Regional Office  
1508 Westen Avenue  
Bowling Green, KY 42104-3356  
(270) 746-7475**

**Completion Date: February 12, 1998  
Issuance Date:  
Expiration Date:**

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**John S. Lyons, Director  
Division for Air Quality**

## Title V/Synthetic Minor Operating

Griffin Industries Inc

Facility Requirements

Activity ID No.: APE20040002

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### AIOO2753 (Source) General Conditions:

#### Submittal/Action Requirements:

| Condition No. | Condition  |
|---------------|--|
| S-1           | <p>SEMIANNUAL REPORTS:</p> <p>The permittee shall submit report(s): Due semiannually, by the 30th of January and July to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. This report shall be a summary of any monitoring required by this permit, other than continuous emission or opacity monitors. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation. [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1b (V)1] All deviations from permit requirements shall be clearly identified in the reports. All reports shall be certified by a responsible official. [401 KAR 52:020, Section 23] Data from all continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, Section 3(3). [401 KAR 52:020 Section 26, 401 KAR 59:005 Section 3(3)]</p> |
| S-2           | <p>EMISSION EXCEEDANCES:</p> <p>The owner or operator shall submit report(s): Due within thirty (30) days of emission related exceedances from permit requirements, including those attributed to upset conditions (other than emission exceedances covered by Requirement D.5); to the Regional Office listed on the front of this permit. Other deviations from permit requirements shall be included in the semiannual reports required by Condition No S-1. [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1b V(3) and (4)]. [401 KAR 52:020 Section 26]</p>  |

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### Submittal/Action Requirements:

| Condition No. | Condition  |
|---------------|--|
| S-3           | <p><b>COMPLIANCE CERTIFICATION:</b></p> <p>The permittee shall certify compliance with the terms and conditions contained in this permit and shall submit compliance certification: Due annually, by the 30th of January to the Regional Office listed on the front of this permit. Compliance Certification Form (DEP 7007CC) (or an approved alternative) shall be used in accordance with the following requirements:</p> <ol style="list-style-type: none"><li>Identification of each term or condition;</li><li>The compliance status regarding each term or condition of the permit;</li><li>Whether compliance was continuous or intermittent; and</li><li>The method used for determining the compliance status for the source, currently and over the reporting period.</li><li>For an emissions unit that was still under construction or which has not commenced operation at the end of the year covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.</li><li>The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the Regional Office listed on the front of this permit and the following addresses:</li></ol> <p>U.S. EPA Region IV<br/>Air Enforcement Branch<br/>Atlanta Federal Center<br/>61 Forsyth St.<br/>Atlanta, GA 30303-8960</p> <p>Division for Air Quality<br/>Central Files<br/>803 Schenkel Lane<br/>Frankfort, KY 40601. [401 KAR 52:020 Section 21]</p> |

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### Submittal/Action Requirements:

| Condition No. | Condition  |
|---------------|--|
| S-4           | <p><b>PERFORMANCE TEST NOTICE AND REPORT:</b></p> <p>Pursuant to Section VII 2.(1) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1.(1), at least one month prior to the date of any required performance test(s), the permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the Division's Frankfort Central Office. Pursuant to 401 KAR 50:045, Section 5, the Division shall be notified of the actual test date at least ten (10) days prior to the test.</p> <p>For any performance test(s) required by this permit, the permittee shall submit performance/emission test results: Due within 45 days of the completion of the fieldwork to the Division [Policy Manual of the Division of Air Quality, Section VII.3]. [401 KAR 50:016 Section 1(1)]</p>  |
| S-5           | <p><b>PERMIT EXPIRATION AND REAPPLICATION REQUIREMENTS:</b></p> <p>This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate. The permittee shall submit permit application for renewal: Due at least 180 days prior to permit expiration to the Division. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:020 Section 12]</p> <p>The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets. [401 KAR 52:020 Section 8(2)]</p> |

### Narrative Requirements:

#### Additional Limitations:

| Condition No. | Condition  |
|---------------|--|
| T-1           | <p><b>Additional Limitations:</b></p> <p>Source wide #6 fuel oil shall not exceed 5,732,490 gallons per year, and 225 tons per year for sulfur dioxide emissions to preclude the applicability of Prevention of Significant Deterioration (PSD) of Air Quality, 401 KAR 51:017.</p> <p>Sulfur content of the #6 fuel oil shall not exceed 0.5 percent by weight. [401 KAR 52:020 Section 10]</p> |

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### Narrative Requirements:

| Condition No. | Condition   |
|---------------|---|
| T-2           | SECTION A. PERMIT AUTHORIZATION. [401 KAR 52:020]   |
| T-3           | <p>A1. Pursuant to a duly submitted application, the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.</p> <p>The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.</p> <p>Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency. [401 KAR 52:020]</p> |
| T-4           | SECTION B. SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS. [401 KAR 52:020]   |
| T-5           | B1. Compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1b]. [401 KAR 52:020 Section 26]  |
| T-6           | B2. Particulate matter and Sulfur dioxide emissions, as measured by methods referenced in 401 KAR 50:015 Section 1, shall not exceed the respective limitations specified herein. [401 KAR Chapter 52]  |
| T-7           | SECTION C. SOURCE CONTROL EQUIPMENT REQUIREMENTS. [401 KAR 50:055]  |
| T-8           | C1. At all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [401 KAR 50:055 Section 2(5)]   |
| T-9           | SECTION D. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS. [401 KAR 52:020]   |

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### Narrative Requirements:

| Condition No. | Condition  |
|---------------|--|
| T-10          | <p>D.1. When continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:</p> <ul style="list-style-type: none"><li>a. Date, place as defined in this permit, and time of sampling or measurements.</li><li>b. Analyses performance dates;</li><li>c. Company or entity that performed analyses;</li><li>d. Analytical techniques or methods used;</li><li>e. Analyses results; and</li><li>f. Operating conditions during time of sampling or measurement [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1b (IV)(1)]. [401 KAR 52:020 Section 26]</li></ul>  |
| T-11          | <p>D.2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Cabinet Provisions and Procedures for Issuing Title V Permits, Sections 1b (IV)(2) and 1a (8)]. [401 KAR 52:020 Section 26]</p>  |
| T-12          | <p>D.3. The permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:</p> <ul style="list-style-type: none"><li>a. To access and copy any records required by the permit;</li><li>b. To inspect any facility, equipment (including monitoring and air pollution control equipment), practice, or operation; and</li><li>c. To sample or monitor substances or parameters to assure compliance with the permit or any applicable requirements.</li></ul> <p>Reasonable times are defined as during all hours of operation, during normal office hours, or during an emergency. [401 KAR 52:020 Section 3(1)(h)]</p>   |
| T-13          | <p>D.4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Pursuant to 401 KAR 50:060, Section 2(2), refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties. [KRS 77.165, 401 KAR 50:060 Section 2(2)]</p>   |
| T-14          | <p>D.5. The owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:</p> <ul style="list-style-type: none"><li>i) When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.</li><li>ii) When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, the permittee shall notify the Division as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request. [401 KAR 50:055 Section 1]</li></ul> |

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### Narrative Requirements:

| Condition No. | Condition  |
|---------------|--|
| T-15          | D.6. The permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KEIS emission report is mailed to the permittee. If a KEIS emission report is not mailed to the permittee, comply with all other emission reporting requirements in this permit. [401 KAR 52:020 Section 3(1)(d)]  |
| T-16          | SECTION E. GENERAL PROVISIONS. [401 KAR 52:020]  |
| T-17          | E(a) General Compliance Requirements. [401 KAR 52:020]   |
| T-18          | E(a)1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including termination, revocation and reissuance, revision or denial of a permit [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1a (3)]. [401 KAR 52:020 Section 26]  |
| T-19          | E(a)2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1a (6)]. [401 KAR 52:020 Section 26]   |
| T-20          | <p>E(a)3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:</p> <p>a. If additional requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;</p> <p>b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;</p> <p>c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;</p> <p>d. If any additional applicable requirements of the Acid Rain Program become applicable to the source. [Acid Rain sources only]</p> <p>Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency. [401 KAR 52:020 Section 19]</p> |

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### Narrative Requirements:

| Condition No. | Condition   |
|---------------|---|
| T-21          | E(a)4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1a (7) and (8)]. [401 KAR 52:020 Section 26] |
| T-22          | E(a)5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority. [401 KAR 52:020 Section 7(1)]   |
| T-23          | E(a)6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1a (14)]. [401 KAR 52:020 Section 26]                            |
| T-24          | E(a)7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1a (4)]. [401 KAR 52:020 Section 26]                                 |
| T-25          | E(a)8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1a (15)(b)]. [401 KAR 52:020 Section 26]    |
| T-26          | E(a)9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3 (6) [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1a (10)]. [401 KAR 52:020 Section 26]  |
| T-27          | E(a)10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 52:020 Section 11(3)(b)]  |
| T-28          | E(a)11. This permit does not convey property rights or exclusive privileges. [Cabinet Provisions and Procedures for Issuing Title V Permits, Section 1a (9)]. [401 KAR 52:020 Section 26]   |
| T-29          | E(a)12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Environmental and Public Protection or any other federal, state, or local agency. [401 KAR Chapter 52]   |
| T-30          | E(a)13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry. [401 KAR 52:020 Section 11(3)(d)]   |
| T-31          | E(a)14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders. [401 KAR 52:020 Section 11(3)(a)]  |



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### Narrative Requirements:

| Condition No. | Condition   |
|---------------|---|
| T-32          | E(a)15. Permit shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:<br>(a) Applicable requirements that are included and specifically identified in the permit and<br>(b) Non-applicable requirements expressly identified in this permit. [401 KAR 52:020 Section 11]  |
| T-33          | E(a)16. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source. [401 KAR Chapter 51]   |
| T-34          | E(b) Permit Revisions. [401 KAR 52:020]   |
| T-35          | E(b)1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2). [401 KAR 52:020 Section 14(2)]  |
| T-36          | E(b)2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer. [401 KAR 52:020] |
| T-37          | E(d) Acid Rain Program Requirements. [401 KAR Chapter 52]   |
| T-38          | E(d)1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable. [401 KAR Chapter 52]   |
| T-39          | E(e) Emergency Provisions. [401 KAR 52:020]   |

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### Narrative Requirements:

| Condition No. | Condition  |
|---------------|--|
| T-40          | <p>E(e)1. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:</p> <ul style="list-style-type: none"><li>a. An emergency occurred and the permittee can identify the cause of the emergency;</li><li>b. The permitted facility was at the time being properly operated;</li><li>c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and</li><li>d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations are exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.</li><li>e. This requirement does not relieve the source from other local, state or federal notification requirements. [401 KAR 52:020 Section 24(1)]</li></ul> |
| T-41          | <p>E(e)2. Emergency conditions listed in General Condition E(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement. [401 KAR 52:020 Section 24(3)]</p>   |
| T-42          | <p>E(e)3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:020 Section 24(2)]</p>   |
| T-43          | <p>E(f) Risk Management Provisions. [401 KAR Chapter 68]</p>   |
| T-44          | <p>E(f)1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to</p> <p>RMP Reporting Center<br/>P.O. Box 3346<br/>Merrifield, VA, 22116-3346. [401 KAR Chapter 68]</p>   |
| T-45          | <p>E(f)2. If requested, submit additional relevant information to the Division or the U.S. EPA. [401 KAR Chapter 68]</p>   |
| T-46          | <p>E(g) Ozone depleting substances. [40 CFR 82]</p>  |

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### Narrative Requirements:

| Condition No. | Condition   |
|---------------|---|
| T-47          | <p>E(g)1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:</p> <ul style="list-style-type: none"><li>a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.</li><li>b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.</li><li>c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.</li><li>d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166</li><li>e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.</li><li>f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [40 CFR 82]</li></ul> |
| T-48          | <p>E(g)2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. [40 CFR 82]</p>  |

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### COMB3 (E.U 001& E.U 002) (2) 50 mmBtu/hr; #4 or #6 Fuel Oil Fired

Constructed: 1983 and 1987:

#### Limitation Requirements:

| Condition No. | Parameter               | Condition   |
|---------------|-------------------------|---|
| L-1           | SO2 (Sulfur Dioxide)    | <p>The unit shall have emissions of SO2 (Sulfur Dioxide) <math>\leq 1.16</math> lb/mm Btu actual heat input, each.</p> <p>Compliance Demonstration:</p> <p>(most current emission factor from AP-42 in lb/gallon divided by the heating value of #6 fuel oil in mmBtu/gallon). [401 KAR 59:015 Section 5(1)] This requirement is applicable during the following months: All Year. Statistical basis: Three-hour average.</p> |
| L-2           | PT (Particulate Matter) | <p>The unit shall have emissions of PT (Particulate Matter) <math>\leq 0.32</math> lb/mm Btu actual heat input</p> <p>Compliance Demonstration:</p> <p>(most current AP-42 emission factor in lb/gallon divided by heating value of #6 fuel oil in mmBtu/gallon). [401 KAR 59:015 Section 4(1)] This requirement is applicable during the following months: All Year. Statistical basis: Three-hour average.</p>              |
| L-3           | Visible Emissions       | <p>The unit shall have Visible Emissions <math>\leq 20</math> % opacity except for emissions occurring during cleaning of the firebox, blowing of soot and building of a new fire. [401 KAR 59:015 Section 4(2)] This requirement is applicable during the following months: All Year. Statistical basis: Six-minute average.</p>   |
| L-4           | Visible Emissions       | <p>While cleaning of the fire box or blowing of soot is being done, Visible Emissions <math>\leq 40</math> % opacity shall be permitted for not more than 6 consecutive minutes in any 60 consecutive minutes. [401 KAR 59:015 Section 4(2)] This requirement is applicable during the following months: All Year. Statistical basis: Six-minute average.</p>   |

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### Narrative Requirements:

#### Applicable Regulations:

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Condition

No. Condition

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T-1 Applicable Regulations:

New Indirect Heat Exchangers applies to new affected facilities less than 250 mmBtu/hr commenced on or after April 9, 1972. [401 KAR 59:015]

#### Additional Limitations:

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Condition

No. Condition

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T-2 Additional Limitations:

1. While building a new fire there is no applicable opacity limit on visible emissions from the unit provided the manufacturer recommended method is used to build the fire and the manufacturer recommended time frame for bringing the boiler up to operating conditions is not exceeded. [401 KAR 59:015, Section (4)(2)]

2. See T1-General Condition (Additional Limitation). [401 KAR 52:020]

#### Recordkeeping:

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Condition

No. Condition

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T-3 Recordkeeping: Specific Requirements:

1. Records of fuel oil (#4 or #6) burned shall be maintained on a daily basis.

2. Records of the fuel oil supplier certification of sulfur and heat contents per each shipment shall be maintained. [401 KAR 52:020]

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### Narrative Requirements:

#### Monitoring:

| Condition No. | Condition   |
|---------------|---|
| T-4           | <p>Monitoring: Specific Requirements:</p> <ol style="list-style-type: none"><li>1. The permittee shall monitor the sulfur and heat content of each shipment of #4 or # 6 fuel oil received. The permittee may use approved EPA or ASTM test methods or fuel supplier certification to meet this requirement.</li><li>2. The permittee shall monitor the amount of each fuel burned on a daily basis.</li><li>3. The permittee shall perform a qualitative visible observation of the opacity emission from the stack on a daily basis and maintain log of the observation. If visible emission from the stack are seen, then the opacity shall be determined by EPA reference method 9 and initiate an inspection of the control equipment for any necessary repairs. [401 KAR 52:020 Section 10]</li></ol> |

#### Reporting Requirements:

| Condition No. | Condition   |
|---------------|---|
| T-5           | <p>Reporting Requirements: Specific Requirements:</p> <p>See Section D-General Requirements. [401 KAR 52:020]</p> |

#### Performance Test:

| Condition No. | Condition   |
|---------------|---|
| T-6           | <p>Performance Test:</p> <p>The permittee shall submit a schedule within six months from the issuance of this permit to conduct at lease one performance test for particulate matter and sulfur dioxide within one year following the issuance of this permit. [401 KAR 50:045]</p> |

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### EQPT1 (E.U. 003) Rendering Process/Finishing Product Handling:

#### Limitation Requirements:

| Condition No. | Parameter               | Condition  |
|---------------|-------------------------|--|
| L-1           | PT (Particulate Matter) | <p>Each unit shall have a maximum emissions of PT (Particulate Matter) <math>\leq 10.90</math> lbs/hr. If the process weight rate for the unit is 1,000 lbs/hr or less, the limit on emissions of particulate matter is 2.34 lb/hr. If the process weight rate for the unit is above 1,000 lbs/hr, the limit on emissions of particulate matter from the unit can be determined (in lbs/hr) by taking the process weight rate for materials introduced into the unit (in tons/hr), raising the process weight rate value to the 0.62 power, and multiplying by 3.59 (maximum = <math>3.59 \times \text{process weight rate}^{0.62}</math>).</p> <p>Compliance Demonstration</p> <p>Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using rendering processing rates, emission factor (E.F.) information, and venturi/packed tower scrubber control efficiency as follows:</p> <p>PT emission in pounds per hour= (performance test E.F. lbs/ton) (material throughput rate in tons/hour)</p> <p>See Monitoring Requirements for monitoring rates and visual inspection of controls. [401 KAR 59:010 Section 3(2)] Statistical basis: Three-hour average.</p> |
| L-2           | Visible Emissions       | <p>Each unit shall have Visible Emissions <math>&lt; 20</math> % opacity. [401 KAR 59:010 Section 3(1)] Statistical basis: Six-minute average.</p>   |

#### Narrative Requirements:

##### Applicable Regulations:

| Condition No. | Condition  |
|---------------|--|
| T-1           | <p>Applicable Regulations:</p> <p>New process operations is applicable to each affected facility associated with a process operation commenced after July 2, 1975 and limits particulate emissions. [401 KAR 59:010]</p> |

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### Narrative Requirements:

#### Applicable Regulations:

| Condition No. | Condition  |
|---------------|--|
| T-2           | Applicable Regulations:<br><br>Ambient Air Quality Standards. [401 KAR 53:010] |

#### Additional Limitations:

| Condition No. | Condition   |
|---------------|---|
| T-3           | Additional Limitations:<br><br>The mixture of 1 volume of ambient air mixed with 7 volume units of odorless air at any given time, must have no detectable odor. [401 KAR 53:010] |

#### Recordkeeping:

| Condition No. | Condition  |
|---------------|--|
| T-4           | Recordkeeping: Specific Requirements:<br><br>1. The permittee shall maintain records of the following: 1) weekly hours of operation and rendering material processing rate; 2) the weekly log of qualitative visual observation of opacity of emissions and the opacity determined by Reference Method 9, if any were taken, and repairs that were made due to any opacity reading which exceeded the standard.<br><br>2. Record regarding the maintenance of all scrubbers shall be maintained. [401 KAR Chapter 52 Section 10] |



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### Narrative Requirements:

#### Monitoring:

| Condition<br>No. | Condition   |
|------------------|---|
| T-5              | <p>Monitoring: Specific Requirements:</p> <ol style="list-style-type: none"><li>1. The permittee shall perform a qualitative visible observation of the opacity of emissions from each stack on a weekly basis and maintain a log of the observation. If visible emission from a stack are seen, then the opacity shall be determined by EPA Reference Method 9 and an inspection shall be initiated for any necessary repairs.</li><li>2. The permittee shall monitor the rendering processing rate (tons) and hours of operation of the unit on a weekly basis.</li><li>3. The permittee shall monitor the amount of material processed on a monthly basis. [401 KAR Chapter 52 Section 10]</li></ol> |

#### Reporting Requirements:

| Condition<br>No. | Condition  |
|------------------|--|
| T-6              | <p>Reporting Requirements: Specific Requirements:</p> <p>The permittee shall report exceedances of Hydrogen Sulfide over 100 pounds in any 24 hour period to the Division's Regional Office listed on the front cover. (AFO Consent Agreement in Federal Register Vol. 70 No. 19, Dated January 31, 2005). [401 KAR 52:020 Section 10]</p> |

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### Narrative Requirements:

#### Control Device:

| Condition No. | Condition  |
|---------------|--|
| T-7           | <p>Control Device: Specific Operating Conditions:</p> <ol style="list-style-type: none"><li>1. The venturi scrubber shall be operated as necessary to maintain compliance with permitted emission limitations, in accordance with manufacturer's specifications and/or standard operating practices.</li><li>2. Records regarding the maintenance of the venturi scrubber shall be maintained.</li><li>3. See Section E for further requirements. [401 KAR 50:055]</li></ol> |

#### Performance Test:

| Condition No. | Condition   |
|---------------|---|
| T-8           | <p>Performance Test:</p> <p>The permittee shall conduct a performance test for particulate matter emissions within one year from the proposed permit issuance and furnish the Division with the results. Emission factor derived from stack testing are to replace the emission factor currently listed in the emission inventory database, and shall be used to calculate future emissions. [401 KAR 50:045]</p> |

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### EQPT2 (E.U. 004) Cooling Tower:

#### Narrative Requirements:

##### Applicable Regulations:

| Condition No. | Condition  |
|---------------|--|
| T-1           | <p>Applicable Regulations:</p> <p>Fugitive emissions is applicable to each affected facility which emits or may emit fugitive emissions and is not elsewhere subject to an opacity standard within the administrative regulations of the Division for Air Quality. [401 KAR 63:010 Section 1]</p>  |
| T-2           | <p>Applicable Regulations:</p> <p>Existing sources emitting toxic air pollutants, which applies to a source in existence on January 19, 1999 which was issued a permit pursuant to 401 KAR 50:035 with conditions based on this administrative regulation or 401 KAR 63:022 shall continue to comply with all conditions unless it can demonstrate that a condition is no longer necessary to protect human health and the environment. [401 KAR 63:021]</p> |

##### Additional Limitations:

| Condition No. | Condition  |
|---------------|--|
| T-3           | <p>Additional Limitations:</p> <p>Ammonia emissions from the cooling tower shall not exceed 152 pound per hour and 158 tons per year.</p> <p>Compliance Demonstration:</p> <p>Compliance with the requirements of 401 KAR 63:021 is demonstrated if the rates of ammonia usage per hour and year established in the Title V application are not exceeded. [401 KAR 63:021]</p> |

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### Narrative Requirements:

#### Compliance Demonstration:

| Condition No. | Condition   |
|---------------|---|
| T-4           | <p>Compliance Demonstration: Applicable to Fugitive Emission Limitation.</p> <p>Observations and records, if applicable, shall be utilized to demonstrate failure to comply. Otherwise, compliance is assumed when daily observations indicate that the processes and controls are operating normally. [401 KAR Chapter 52]</p> |

#### Monitoring:

| Condition No. | Condition  |
|---------------|--|
| T-5           | <p>Monitoring: Specific Requirements:</p> <ol style="list-style-type: none"><li>1. The permittee shall monitor the amount of ammonia injected and processed on a monthly basis.</li><li>2. See Section D of the General Conditions. [401 KAR 52:020]</li></ol> |

#### Reporting Requirements:

| Condition No. | Condition  |
|---------------|--|
| T-6           | <p>Reporting Requirements: Specific Requirements:</p> <p>See Section D of the General Conditions. [401 KAR 52:020]</p> |

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**GACT2 (Insignificant Act.1- 8) Insignificant Activities:**

Narrative Requirements:

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| Condition<br>No. | Condition   |
|------------------|---|
| T-1              | The activities within this group have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020 Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary. [401 KAR 52:020 Section 6] |

## Title V/Synthetic Minor Operating

Griffin Industries Inc

Subject Item Inventory

Activity ID No.: APE20040002

### Subject Item Inventory:

| ID       | Designation         | Description   |
|----------|---------------------|---|
| AIOO2753 | Source              | General Conditions  |
| AREA2    | Insignificant Act.8 | Paved hual roads and parking lots   |
| COMB3    | E.U 001& E.U 002    | (2) 50 mmBtu/hr; #4 or #6 Fuel Oil Fired<br>Constructed: 1983 and 1987  |
| COMB5    | Insignificant Act.7 | #2 Oil fired space heater rated less than 2 mmBtu/hr.   |
| EQPT1    | E.U. 003            | Rendering Process/Finishing Product Handling  |
| EQPT2    | E.U. 004            | Cooling Tower   |
| EQPT3    | Insignificant Act.4 | Laboratory fume hoods and vents used exclusively for chemical or physical analysis.   |
| EQPT4    | Insignificant Act.6 | Boiler and cooling tower blowdown operations.   |
| EQPT5    | Insignificant Act.5 | Degreaser operations (parts and washer used in routine maintenance) which do not exceed 145 gallons per month.                |
| STOR1    | Insignificant Act.1 | Storage Vessels associated with fuel oil and storage and vehicle refiling operations.   |
| STOR2    | Insignificant Act.2 | Storage Vessel containg inorganic acids with boiling points below the maximum storage temperature at atmospheric temperature. |
| STRC1    | Insignificant Act.3 | Waste Water Treament Activities <1% Oil and Grease Content by Volume.   |

### Subject Item Groups:

| ID    | Description              | Components  |
|-------|--------------------------|---|
| GACT2 | Insignificant Activities | COMB5 #2 Oil fired space heater rated less than 2 mmBtu/hr.   |
|       |                          | EQPT3 Laboratory fume hoods and vents used exclusively for chemical or physical analysis.   |
|       |                          | EQPT4 Boiler and cooling tower blowdown operations.   |
|       |                          | EQPT5 Degreaser operations (parts and washer used in routine maintenance) which do not exceed 145 gallons per month.                |
|       |                          | STOR1 Storage Vessels associated with fuel oil and storage and vehicle refiling operations.   |
|       |                          | STOR2 Storage Vessel containg inorganic acids with boiling points below the maximum storage temperature at atmospheric temperature. |
|       |                          | STRC1 Waste Water Treament Activities <1% Oil and Grease Content by Volume.   |

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Subject Item Inventory

Activity ID No.: APE20040002

| ID    | Description              | Components                              |
|-------|--------------------------|---|
| GACT2 | Insignificant Activities | AREA2 Paved hual roads and parking lots |

### **KEY**

ACTV = Activity

AREA = Area

EQPT = Equipment

PERS = Personnel

STOR = Storage

TRMT = Treatment

AIOO = Agency Interest

COMB = Combustion

MNPT = Monitoring Point

PORT = Transport

STRC = Structure